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ABSTRACT

4 Recombinant immunotoxin polypeptides are described
5 comprising a CD3-binding domain and a Pseudomonas exotoxin
6 mutant, and in particular, comprising a single chain (sc) Fv as
7 the CD3-binding moiety. A preferred species of the invention
8 comprises scFv(UCHT-1)-PE38. Also disclosed are methods for the
9 preparation of said immunotoxins; functionally equivalent
10 immunotoxins which are intermediates in the preparation of the
11 immunotoxins of the invention, as well as polynucleotide and
12 oligonucleotide intermediates; methods for the prevention and/or
13 treatment of transplant rejection and induction of tolerance, as
14 well as treatment of autoimmune and other immune disorders,
15 using the immunotoxins or pharmaceutically acceptable salts
16 thereof; and pharmaceutical compositions comprising the
17 immunotoxins or pharmaceutically acceptable salts thereof.